



STATE MINING AND GEOLOGY BOARD

EXECUTIVE OFFICER'S REPORT

For Meeting Date: May 10, 2012

Agenda Item No. 3: Acceptance of California Geological Survey Special Report 199, Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region, San Joaquin and Stanislaus Counties, California.

INTRODUCTION: The State Mining and Geology Board (SMGB), based on recommendations from the State Geologist and public input, prioritizes areas to be classified and/or designated. California Geological Survey (CGS) Special Report 199 updates information previously presented in a classification report on Portland cement concrete-grade (PCC) aggregate in the Stockton-Lodi Production-Consumption (P-C) Region first published in 1988. The previous report was published by the California Division of Mines and Geology (CDMG; now CGS) as Special Report 160– *Mineral Land Classification: Portland Cement Aggregate in the Stockton-Lodi Production-Consumption Region*. Should certain criteria be met, the State Geologist may recommend acceptance of the report by the SMGB. The SMGB is considering accepting the updated report for the classification of mineral resource land for this region.

STATUTORY AUTHORITY: Pursuant to PRC 2761(b), *“In accordance with a time schedule, and based upon guidelines adopted by the board, the State Geologist shall classify, on the basis solely on geologic factors, and without regard to existing land use and land ownership, the areas identified by the Office of Planning and Research, any area for which classification has been requested by a petition which has been accepted by the board, or any other areas as may be specified by the board, as one of the following:*

- (1) Areas containing little or no mineral deposits.*
- (2) Areas containing significant mineral deposits.*
- (3) Areas containing mineral deposits, the significance of which requires further evaluation.”*

In accordance with the SMGB's *“Guidelines for Classification and Designation of Mineral Lands”*, the State Geologist may periodically review mineral land classification information in defined study regions to determine if reclassification of the area is necessary, and whether the projected requirements for construction materials for the next 50 years should be revised. The State Geologist subsequently reports the results of such review to the SMGB together with recommendations.



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The SMGB may direct the State Geologist to reexamine mineral lands already classified on the basis of the State Geologist's recommendations, or for other reasons. Any resulting reclassification is treated in the same manner as the original classification, and employs the same marketability and threshold criteria. If these criteria are met, the State Geologist will recommend acceptance of the reclassification report by the SMGB. The 50-year period for purposes of estimating marketability will begin at the time of reclassification.

BACKGROUND: The SMGB, in the fall of 2006, and more recently at its June 14, 2007, regular business meeting, heard a report from SMGB staff on the Mineral Land Classification and Designation Program under the Surface Mining and Reclamation Act of 1975 (SMARA). At its September 13, 2007, regular business meeting, and as noted in the SMGB's Information Report 2008-05, CGS provided a schedule and prioritized program of current and planned activities for mineral land classification and associated projects. The update of the report for the Stockton-Lodi P-C Region was considered high priority.

California Geological Survey (CGS) Special Report 199 updates information previously presented in a classification report on Portland cement concrete-grade (PCC) aggregate in the Stockton-Lodi Production-Consumption (P-C) Region first published in 1988. The previous report was published by the California Division of Mines and Geology (CDMG; now CGS) as Special Report 160– *Mineral Land Classification: Portland Cement Aggregate in the Stockton-Lodi Production-Consumption Region*.

The updated report presented the following conclusions:

- Currently, 232 million tons of currently permitted construction aggregate reserves are projected to last through the year 2033, 23 years from the present.
- An estimated 969 million tons of concrete aggregate resources are identified in the Stockton-Lodi P-C Region. This represents an increase in PCC-grade aggregate resources of about 403 million tons from the 566 million tons of PCC-grade aggregate resources designated in 1989.
- Anticipated consumption of construction aggregate in the Stockton-Lodi P-C Region for the next 50 years (through the year 2060) is estimated to be 687 million tons, of which 275 million tons must be concrete-grade.
- If a large scale construction project or catastrophic event (i.e, earthquake) requiring rebuilding were to happen in the P-C Region, existing reserves may be depleted sooner than projected.



Based on this preliminary review, the State Geologist has recommended acceptance by the SMGB of this updated mineral land classification report.

EXECUTIVE OFFICER'S RECOMMENDATION: Based on the information presented by the State Geologist, the Executive Officer concludes that the updated classification report for the *Stockton-Lodi Production-Consumption Region, California*, was prepared in accordance with the SMGB's guidelines, and recommends that the SMGB accept the report.

SUGGESTED MOTION LANGUAGE:

To Accept CGS Special Report 199 on Update of Mineral Land Re-Classification:

Mr. Chairman, in light of the information before the Board today, I move that the Board accept CGS Special Report 199 on the Update of Mineral Land Classification for Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region, California.

Respectfully submitted:



Stephen M. Testa
Executive Officer

